Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 24 Aug 2021 until 23:59 on Wednesday 25 Aug 2021

Forecast Issued on Monday 23 Aug 2021 at 13:43

Confidence: Confidence is high for a mostly dry and settled period, however only moderate for the extent, timing and persistence of cloud each day. Confidence is high, however, for the best of the sunny spells and warmer temperatures to be in the west.

Headline for Tuesday 24 Aug 2021: Fine start with clear spells, perhaps some valley fog. Cloud thicken from the east later, descending onto tops during the evening.

Mountain weather hazards on Tuesday 24 Aug 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Sunny	Sunny intervals	Sunny intervals	Cloudy	Cloudy	Cloudy
Precipitation probability							
00%	00%	00%	<05%	<05%	<05%	<05%	<05%

Forecast for Tuesday 24 Aug 2021

Weather: Clear skies overnight, could allow the odd patch of valley mist and fog to develop by dawn. This soon clearing, leaving a largely fine morning with warm sunny spells. Cloud soon thickening from the east however, but likely remaining above the hill tops. A few afternoon brighter intervals possible, but becoming limited, with the best of any afternoon sunny spells in the west. Cloud descending to obscure higher tops in the evening, mainly in the east.

Chance of cloud free mountain/hill tops above 600m: 80%, increasing to near 100% by mid-morning. Falling again to 70% during the afternoon, and again after dark to 50% in the west and 30% in the east by midnight.

Visibility: Good to very good views during the morning, away from any valley mist or fog patches, although these will soon clear. Visibility becoming hazy and falling to moderate during the afternoon, with some patches of cloud developing on eastern slopes above 600m. Visibility decreasing further after dark, with extensive cloud obscuring hills above 500m by midnight, especially in the east.

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Mountain Weather Forecast

Forecast for Tuesday 24 Aug 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/9 NE	4/5 NE	4/6 NE	5/7 NE	6/10 NE	9/12 E	8/11 E	6/9 E	5/8 NE
300	3/9 NE	2/4 NE	2/5 NE	1/4 E	4/8 NE	6/11 E	4/9 E	3/7 NE	3/7 NE
Valley	3/6 E	1/3 NE	1/3 NE	2/4 S	2/5 W	3/7 W	2/4 W	2/4 E	2/5 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/10	10/10	12/11	13/13	16/15	16/15	16/15	13/13	12/11
300	11/11	11/10	11/11	16/16	19/19	20/19	18/18	14/14	13/12
Valley	12/12	11/11	12/12	16/17	20/20	20/21	19/20	16/17	14/14
Freezing Level*	3000m	3000m	3000m	3000m	3100m	3100m	3200m	3100m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A mostly fine day across the Dales, especially though the morning. Some poor visibility conditions are likely to spread south and west later, which could catch out the unaware, but many western routes remaining fine until after dark.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Mon 23 Aug 2021	4.4mm	18mm	20.2mm

Forecast for Wednesday 25 Aug 2021

Weather: Cloud continuing to thicken early Wednesday, especially across eastern hills, before lifting through the morning. Clearer spells in the east, with early mist or fog patches lifting. Some sunny spells likely, before further cloud moves into eastern areas through the afternoon. Best of any afternoon sunny spells in the southwest.

Maximum wind: Northeasterly 10-15mph

Chance of cloud free mountain/hill tops above 600m: 20% at first, improving to 70% during the morning, but falling again to 40% during the afternoon. Best chances in the west.

Visibility: Cloud obscuring tops above 400m at first, but lifting and clearing south through the morning to give good views for a time. However further cloud expected to spread south and west through the afternoon, obscuring many eastern hills above 500m, and leading to poor visibility. Good views remaining likely at lower levels, and also across some southern and western hills.

Temperature: **Valleys:** Plus 9 Celsius becoming Plus 23 Celsius
At 600m: Plus 10 Celsius becoming Plus 18 Celsius
Freezing level: Above summits.

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